

March 2 - March 8, 2001

The Terra spacecraft is currently operating in nominal mode and all five instruments are functioning well in nominal Science Mode. No science data were lost during this reporting period.

On March 1, the Terra Flight Operations Team (FOT) experienced a ground contact failure, following which the CERES Aft instrument exhibited a status warning. The FOT reset the warning flag, and the problem was diagnosed to be an erroneous command for CERES in the Absolute Time Command (ATC) Load. The CERES Team has been consulted, and Instrument Operations Teams have been requested to increase the level of scrutiny in their load verification process.

A Master Oscillator Frequency Adjust was performed on March 1 at 19:40z using a new, more streamlined Command and Data Handling procedure for the first time. This procedure had been tested extensively using the Spacecraft Simulator, and its first use in operations accomplished the goal of simplifying the overall Master Oscillator Frequency Adjust process.

The GSFC Power Branch is working with additional consultants now on-board to fully understand the Solar Array Shunt 10 anomaly.

The ASTER - Shortwave infrared (SWIR) Temperature anomaly investigation continues. A status review of the anomaly resolution work was conducted on March 9.

Plans:

The next Master Oscillator Frequency Adjust is planned for March 8.

MISR - Cal Diode was performed on March 8, and MISR Local Mode was done on March 7 and 9.

A MODIS Roll Maneuver (-16.512 degrees) is planned for March 13 from 21:32:50 - 21:54:40z

The FOT will support the MODIS Field Campaign on March 13.

A Drag Make Up Maneuver is planned for March 14 at 19:40:00z, in which it is estimated there will be a 16-second burn of the onboard thrusters.

There is a new MISR software upload planned in April 2001.

